

Application No. 10/540,956
Paper Dated: February 15, 2008
In Response to the Office Action dated December 17, 2007
Attorney Docket No. 4544-051956

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

Claims 1-34 (Canceled)

Claim 35 (Previously Presented) A method of increasing abiotic stress tolerance in a plant, said method comprising transforming said plant with a recombinant vector comprising a polynucleotide sequence set forth in SEQ ID NO: 1 or a variant thereof coding for a polypeptide sequence as shown in SEQ ID NO: 2, and expressing the polynucleotide sequence or the variant thereof to yield transformed plants.

Claim 36 (Previously Presented) The method of claim 35, wherein said plant used for transformation is selected from a group consisting of tobacco, rice and tomato plant.

Claim 37 (Previously Presented) The method of claim 35, wherein said method provides transformed plants having increased tolerance to cold stress relative to an untransformed plant of the same plant species.

Claim 38 (Previously Presented) The method of claim 35, wherein said method provides transformed plants having increased tolerance to drought stress relative to an untransformed plant of the same plant species.

Claim 39 (Previously Presented) The method of claim 35, wherein said method provides transformed plants having increased tolerance to salt stress relative to an untransformed plant of the same plant species.

Claim 40 (Previously Presented) A transgenic plant, plant tissue or plant cell produced by the method of claim 35, wherein said transformed plant, plant tissue or plant cell exhibits increased tolerance to cold stress relative to an untransformed plant of the same plant species.

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Claim 41 (Previously Presented) A transgenic plant, plant tissue or plant cell produced by the method of claim 35, wherein said transformed plant, plant tissue or plant cell exhibits increased tolerance to drought stress relative to an untransformed plant of the same plant species.

Claim 42 (Previously Presented) A transgenic plant, plant tissue or plant cell produced by the method of claim 35, wherein said transformed plant, plant tissue or plant cell exhibits increased tolerance to salt stress relative to an untransformed plant of the same plant species.

Claim 43 (Previously Presented) Transgenic seeds produced by the transgenic plant of claim 40, wherein the seeds comprise the polynucleotide sequence.

Claim 44 (Currently Amended) Transgenic seeds produced by the transgenic plant of claim 41, wherein the seeds comprise the polynucleotide sequence.

Claim 45 (Currently Amended) Transgenic seeds produced by the transgenic plant of claim 42, wherein the seeds comprise the polynucleotide sequence.